Project4Task1

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API Name:

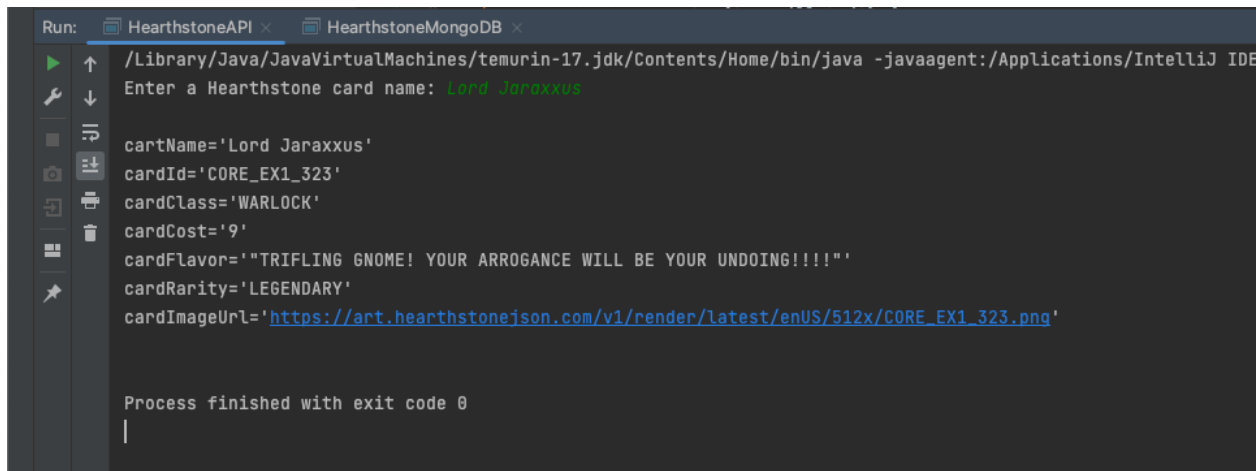Hearthstone API

API Documentation URL:

https://hearthstonejson.com/

Description:

The mobile application will prompt the user for a Hearthstone card name and use the Hearthstone API to fetch card information. The app will display the card's details and card image, to provide users with quick access to card information while playing or discussing Hearthstone. Additionally, users can save card details to a MongoDB database for future reference.

1b Screenshot


```
Run:    HearthstoneAPI ×     HearthstoneMongoDB ×
  ▶  ↑   /Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDE
  🔧 ↓   Enter a Hearthstone card name: Lord Jaraxxus
  ■  ⇥
  ◎  ⬇   cartName='Lord Jaraxxus'
  ⊡  🖨   cardId='CORE_EX1_323'
      🗑  cardClass='WARLOCK'
  ▤       cardCost='9'
          cardFlavor='"TRIFLING GNOME! YOUR ARROGANCE WILL BE YOUR UNDOING!!!!"'
  📌      cardRarity='LEGENDARY'
          cardImageUrl='https://art.hearthstonejson.com/v1/render/latest/enUS/512x/CORE_EX1_323.png'


          Process finished with exit code 0
```

2c Screenshot

Run: HearthstoneAPI   HearthstoneMongoDB

/Library/Java/JavaVirtualMachines/temurin-17.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt.jar=64652:/Applications/IntelliJ IDEA.app/Contents/bin -Dfile.encoding=UTF-8 -classpath /Users/macbook/Desktop/Project4Task1/target/classes:/Users/m
Enter a Hearthstone card name: Lord Jaraxxus
[main] INFO org.mongodb.driver.cluster - Cluster created with settings {hosts=[127.0.0.1:27017], srvHost=cluster0.otvez1g.mongodb.net, mode=MULTIPLE, requiredClusterType=REPLICA_SET, serverSelectionTimeout='30000 ms', requiredReplicaSetName='atlas-nzoe0q-shard-0'}
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-srv-cluster0.otvez1g.mongodb.net] INFO org.mongodb.driver.cluster - Adding discovered server ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017 to client view of cluster
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-srv-cluster0.otvez1g.mongodb.net] INFO org.mongodb.driver.cluster - Adding discovered server ac-mqd0rw8-shard-00-01.otvez1g.mongodb.net:27017 to client view of cluster
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-srv-cluster0.otvez1g.mongodb.net] INFO org.mongodb.driver.cluster - Adding discovered server ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017 to client view of cluster
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:6, serverValue:1111}] to ac-mqd0rw8-shard-00-01.otvez1g.mongodb.net:27017
[cluster-rtt-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:3, serverValue:1686}] to ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017
[cluster-rtt-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-01.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:5, serverValue:1686}] to ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:4, serverValue:1702}] to ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
[cluster-rtt-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:2, serverValue:1111}] to ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:1, serverValue:1651}] to ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Monitor thread successfully connected to server with description ServerDescription{address=ac-mqd0rw8-shard-00-02.otvez1g.mongo
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-01.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Monitor thread successfully connected to server with description ServerDescription{address=ac-mqd0rw8-shard-00-01.otvez1g.mongo
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-00.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Monitor thread successfully connected to server with description ServerDescription{address=ac-mqd0rw8-shard-00-00.otvez1g.mongo
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Setting max election id to 7ffffff0000000000000074 from replica set primary ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Setting max set version to 8 from replica set primary ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
[cluster-ClusterId{value='641ea15148090d448f311b14', description='null'}-ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017] INFO org.mongodb.driver.cluster - Discovered replica set primary ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017

cartName='Lord Jaraxxus'
cardId='CORE_EX1_323'
cardClass='WARLOCK'
cardCost='9'
cardFlavor='"TRIFLING GNOME! YOUR ARROGANCE WILL BE YOUR UNDOING!!!!"'
cardRarity='LEGENDARY'
cardImageUrl='https://art.hearthstonejson.com/v1/render/latest/enUS/512x/CORE_EX1_323.png'

[main] INFO org.mongodb.driver.connection - Opened connection [connectionId{localValue:7, serverValue:1706}] to ac-mqd0rw8-shard-00-02.otvez1g.mongodb.net:27017
Stored card information in the database.
Reading all documents in the collection:
{"name":"Patchwerk","cardId":"RLK_071","cardClass":"DEATHKNIGHT","cardCost":"7","cardFlavor":"This card is so good, it might need patch work.","cardRarity":"LEGENDARY","cardImageUrl":"https://art.hearthstonejson.com/v1/render/latest/enUS/512x/RLK_071.png"}
{"name":"Cenarius","cardId":"CORE_EX1_573","cardClass":"DRUID","cardCost":"8","cardFlavor":"Yes, he's a demigod. No, he doesn't need to wear a shirt.","cardRarity":"LEGENDARY","cardImageUrl":"https://art.hearthstonejson.com/v1/render/latest/enUS/512x/CORE_EX1_573.png"}
{"name":"Lord Jaraxxus","cardId":"CORE_EX1_323","cardClass":"WARLOCK","cardCost":"9","cardFlavor":"\"TRIFLING GNOME! YOUR ARROGANCE WILL BE YOUR UNDOING!!!!\"","cardRarity":"LEGENDARY","cardImageUrl":"https://art.hearthstonejson.com/v1/render/latest/enUS/512x/CORE_EX1_323.png"}

Process finished with exit code 0